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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/854,505	05/15/2001	Naoaki Niwa	D-1082	7890

32628 7590 12/15/2004

HAUPTMAN KANESAKA BERNER PATENT AGENTS
SUITE 300, 1700 DIAGONAL RD
ALEXANDRIA, VA 22314-2848

EXAMINER

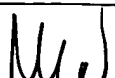
NELSON, FRED A ANN

ART UNIT PAPER NUMBER

3629

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/854,505	NIWA, NAOAKI	
	Examiner	Art Unit	
	Freda Nelson	3629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05/15/01 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is in response to a letter for a patent filed May 15, 2001 in which claims 1–15 were presented for examination. Claims 1-15 are pending.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

1. Claims 1-9 are rejected under 35 U.S.C. 102(a) as being anticipated by Rive (Patent Number 6,281,894).
2. In claims 1, 3, and 5-8, Rive discloses that the corrective operation can be performed remotely, for example using a network communications over a network (e.g., the Internet) by a support service. To this end, a remote support service may establish a network connection to the computer system 50 (e.g., a TCP/IP connection via a dialup or DSL modem) and communicate with a client application program installed on the computer system to remotely take control of operations of the computer

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system 50 (col. 11, lines 55-63). In one embodiment of the present invention where the computer system is leased, the computer system and the support provided at step 206 may be provided for a fixed monthly fee, or other periodic fee, or a one-time lump sum payment (col. 15, lines 23-32).

3. In claim 2, Rive discloses that should an inconsistency be detected at decision box 134, the content of the supported partition 54 is overwritten with the content of the mirror partition 58, so as to restore the "reference state", or original content, to the supported partition 54. The overwriting may be performed by "repair program" stored either within the supported partition 54, or a floppy disk inserted into the computer system or stored on a remote device coupled to the computer system via a network connection (col. 12, lines 40-52).

4. In claim 4, Rive discloses that if corruption from a modification, or any other fault, pertaining to the supported partition 54 is detected (e.g., automatically or by the user) at step 208, the provision of support may constitute an overwrite operation of the supported partition 54 with the content of the mirror partition 58 so as to restore the reference state to the supported partition 54 wherein steps 208 and 210 may manually be performed by a user on-site, may manually be performed by a support service either on-site or remotely via a network connection, or may be fully automated utilizing software installed on the computer system 50 of the end user (col. 15, lines 35-46).

5. In claim 9, Rive discloses that updating of the supported partition 54 may be done remotely and with respect to a computer system 50 that is already in possession of the end user. Alternatively, the support service may configure a new computer

system 50 to include a supported partition 54 having the content desired by the end user, and then replace the computer system 50 that is in possession of the end user with a newly configured computer system 50 (col. 17, lines 13-34).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 10-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rive in view of Davis et al. (Patent Number 6,381,343).
7. In claims 10 and 11, Rive discloses in FIG. 14, a video display unit 410 and an alpha numeric device 412 (e.g., a keyboard) col. 20, lines 9-22). Rive discloses that the end user may have purchased a computer system outright, and may pay a monthly subscription fee for only various applications installed on the computer system as well as for technical support on a month to month basis; the end user may pay a periodic lease and subscription fee to the provider for the lease (or rental) of the computer equipment, the applications installed thereon, and technical support for both the computer system hardware and the installed application software; or the end user may pay an up-front lump-sum payment for the computer hardware and/or the applications,

and pay a reduced subscription fee for technical support with respect to the computer system and installed software. Rive further discloses that various permutations and combinations of the above-described schemes may be implemented in performance of the step 268 (col. 18, lines 30-49). Rive does not disclose an accounting means installed at a seller's side. Davis et al. discloses that the system can track other characteristics of the session for such purposes as accounting. It would have been obvious to modify the method of Rive to include the accounting feature of Davis et al. to maintain a better tracking of usage fees.

8. In claim 12, Rive discloses that if corruption from a modification, or any other fault, pertaining to the supported partition 54 is detected (e.g., automatically or by the user) at step 208, the provision of support may constitute an overwrite operation of the supported partition 54 with the content of the mirror partition 58 so as to restore the reference state to the supported partition 54 wherein steps 208 and 210 may manually be performed by a user on-site, may manually be performed by a support service either on-site or remotely via a network connection, or may be fully automated utilizing software installed on the computer system 50 of the end user (col. 15, lines 35-46). Rive further discloses that the corrective operation can be performed remotely, for example using a network communications over a network (e.g., the Internet) by a support service. To this end, a remote support service may establish a network connection to the computer system 50 (e.g., a TCP/IP connection via a dialup or DSL modem) and communicate with a client application program installed on the computer system to remotely take control of operations of the computer system 50 (col. 11, lines

55-63).

9. In claims 13-15, Rive discloses that updating of the supported partition 54 may be done remotely and with respect to a computer system 50 that is already in possession of the end user. Alternatively, the support service may configure a new computer system 50 to include a supported partition 54 having the content desired by the end user, and then replace the computer system 50 that is in possession of the end user with a newly configured computer system 50 (col. 17, lines 13-34). Rive discloses that in one embodiment of the present invention where the computer system is leased, the computer system and the support provided at step 206 may be provided for a fixed monthly fee, or other periodic fee, or a one-time lump sum payment (col. 15, lines 23-32). Rive further discloses a method of configuring a storage device accessible by a computer system so as to facilitate the maintenance and verification of the integrity and operation of the computer system, and to a business method of supporting a computer system so configured 9col. 1, lines 14-20).

Conclusion

10. The examiner has cited prior art of interest, for example:

1) Flick (Patent Number 6,803,8610), which discloses a vehicle tracking unit with fault condition diagnosis and related methods.

2) Byford (GB 2333169 A), which disclose a diagnostic system for an appliance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Freda Nelson whose telephone number is (703) 305-0261. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Weiss can be reached on (703) 308-2702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Freda Nelson
Examiner
Art Unit 3629



JOHN G. WEISS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600